

Comparison of USP 5,462,779 (Misiano) and Appl. 10/065,108 (Schaepkens)

	Permeability			Permeability			OLED Permeability Requirements	
	O2 (ml/100 sq.in.-day)	H2O (g/100 sq.in.-day)	O2 (ml/sq.m-day)	H2O (g/sq.m-day)	O2 (ml/sq.m-day)	H2O (g/sq.m-day)	O2 (ml/sq.m-day)	H2O (g/sq.m-day)
PET Film Misiano, col 4 ll. 32-53								
Uncoated Film	4.5	1.5	69.75	23.25	0.001	0.000001	0.001	0.000001
SiO Coated Film	0.3	0.11	4.65	1.705	0.001	0.000001	0.001	0.000001
SiO2 Coated Film	0.95	1.4	14.725	21.7	0.001	0.000001	0.001	0.000001
Double Oxide Layer (SiO2 and Al2O3)	0.28	0.01	4.34	0.155	0.001	0.000001	0.001	0.000001
Graded Layer (SiO2 and Al2O3)	0.28	0.01	4.34	0.155	0.001	0.000001	0.001	0.000001
Double Layer (sputtered)	0.95	1.04	14.725	16.12	0.001	0.000001	0.001	0.000001
PPO Film Misiano, col 5 ll. 2-18								
Uncoated Film	130	0.5	2015	7.75	0.001	0.000001	0.001	0.000001
SiO Coated Film	10	0.08	155	1.24	0.001	0.000001	0.001	0.000001
SiO2 Coated Film	13	0.41	201.5	6.355	0.001	0.000001	0.001	0.000001
Double Oxide Layer (SiO2 and Al2O3)	10.5	0.09	162.75	1.395	0.001	0.000001	0.001	0.000001
Graded Layer (SiO2 and Al2O3)	10.5	0.09	162.75	1.395	0.001	0.000001	0.001	0.000001
Double Layer (sputtered)	14	0.42	217	6.51	0.001	0.000001	0.001	0.000001

Notes

- Misiano lists permeability rates for O2 in (ml/100 sq.in.-day)
- Standard permeability rates for OLEDs for O2 are in (ml/sq.m-day)
- Multiply (ml/100 sq.in.-day) by 15.5 to convert to (ml/sq.m-day)
- Misiano lists permeability rates for H2O in (g/100 sq.in.-day)
- Standard permeability rates for OLEDs for H2O are in (g/sq.m-day)
- Multiply (g/100 sq.in.-day) by 15.5 to convert to (g/sq.m-day)

